

Bellwork: 1/15/13

- 1) Find the quadratic equation that has roots of $-\frac{3}{4}$ and $\frac{5}{2}$.

Roots: $-\frac{3}{4}$ $\frac{5}{2}$

Factors: $(4x+3)(2x-5)$

$$8x^2 - 20x + 6x - 15$$

$$8x^2 - 14x - 15$$

Equation: $8x^2 - 14x - 15 = 0$

ANSWER! $\frac{28-3i}{13}$

- 2) Divide

$$\frac{6-5i}{3-2i} \cdot \frac{3+2i}{3+2i}$$

TOP: $18 + 12i - 15i - 10i^2$
 $28 - 3i + 10$

Bottom: $9 + 6i - 6i - 4i^2$
 $13 + 4$

Complete Unit 2
Review

